

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a requesting computer system that is network connectable to a network, the requesting computer system including a native host name resolver that is not capable of resolving a host name when the requesting computer system is connected to the network due to advances in or proprietary name resolution techniques, a method for resolving a host name using a replacement resolver so as to extend the functionality of the computer system, extending the useful life of the computer system by allowing the computer system to be used on networks that it was not originally intended to be used with, the method comprising the following:

an act of assigning the requesting computer system as a name server for the requesting computer system, wherein the requesting computer system is a single physical device docked to a resolving computer system;

an act of at a native host name resolver of the requesting computer system requesting resolution of a host name by sending host name data in a first protocol to the requesting computer system by sending the host name data to the name server assigned for the requesting computer system, the host name data being compatible for resolution of the host name by a DNS server, the first protocol being a native protocol of the requesting computer system that is incompatible for resolving host name data over a communication link connecting the requesting computer system to the network;

an act of monitoring a name resolution port of the requesting computer system for receiving the host name data in the first protocol from the requesting computer system;

an act of rerouting the host name data in the first protocol to a replacement host name resolver in the requesting computer system;

an act of sending the host name data from the replacement host name resolver in the requesting computer system using a second protocol to a module at the resolving computer system for resolving the host name data, wherein the second protocol is

compatible for resolving host name data over the communication link connecting the requesting computer system to the network; and

an act of receiving a resolved address at the native host name resolver of the requesting computer system corresponding to the host name data.

2. (Original) The method as recited in claim 1, wherein the act of assigning the requesting computer system as a name server for the requesting computer system comprises the following:

an act of utilizing a loop-back address to assign the requesting computer system as a name server for the requesting computer system.

3. (Original) The method as recited in claim 2, wherein the act of utilizing a loop-back address to assign the requesting computer system as a name server for the requesting computer system comprises the following:

an act of utilizing a defined IP loop-back address to assign the requesting computer system as a name server for the requesting computer system.

4. (Original) The method as recited in claim 1, wherein the act of assigning the requesting computer system as a name server for the requesting computer system comprises the following:

an act of assigning the requesting computer system as the primary name server for the requesting computer system.

5. (Original) The method as recited in claim 1, wherein the act of assigning the requesting computer system as a name server for the requesting computer system comprises the following:

an act of assigning the requesting computer system as a DNS server for the requesting computer system.

6. (Previously Presented) The method as recited in claim 1, wherein the act of monitoring a name resolution port of the requesting computer system for receiving the host name data in the first protocol comprises the following:

an act of monitoring a name resolution port of the requesting computer system that is associated with an IP network.

7. (Original) The method as recited in claim 6, wherein the act of monitoring a name resolution port of the requesting computer system that is associated with an IP network comprises the following:

an act of monitoring port 53 of the requesting computer system.

8. (Previously Presented) The method as recited in claim 1, wherein the act of monitoring a name resolution port of the requesting computer system for receiving the host name data in a host name resolution protocol comprises the following:

an act of monitoring a name resolution port for receiving host name data in a host name resolution protocol that is compatible with an IP network.

9. (Previously Presented) The method as recited in claim 8, wherein the act of monitoring a name resolution port for receiving the host name data in a host name resolution protocol that is compatible with an IP network comprises the following:

act of monitoring a name resolution port for host name data contained in one or more UDP packets.

10. (Previously Presented) The method as recited in claim 1, wherein the act of monitoring a name resolution port of the requesting computer system for receiving the host name data in the first protocol comprises the following:

an act of a replacement host name resolver monitoring a name resolution port for receiving host name data sent from a native host name resolver.

11. (Previously Presented) The method as recited in claim 1, wherein the act of monitoring a name resolution port of the requesting computer system for receiving the host name data in the first protocol comprises the following:

an act of a resolving computer system monitoring a name resolution port for receiving host name data sent from a native host name resolver.

12-14. (Cancelled).

15. (Previously Presented) The method as recited in claim 1, wherein the first protocol is UDP and the second protocol is TCP.

16. (Previously Presented) The method as recited in claim 1, wherein the first protocol is DNS and the second protocol is secure DNS.

17. (Previously Presented) The method as recited in claim 1, wherein the act of sending the host name data from the replacement host name resolver in the requesting computer system using a second protocol to a module for resolving the host name data comprises the following:

an act of the replacement host name resolver sending the host name data to a module that was identified by entering one or more parameters in a user interface.

18. (Previously Presented) The method as recited in claim 1, further comprising:

an act of providing the requesting computer system with a network address by resolving the host name data that was sent to the module.

19. (Previously Presented) The method as recited in claim 18, wherein the act of providing the requesting computer system with a network address by resolving the host name data that was sent to the module comprises the following:

providing the requesting computer system with a numerical IP address by resolving a domain name that was sent to the module.

20-23. (Cancelled).

24. (Currently Amended) In a requesting computer system that is network connectable to a network, the requesting computer system including a native host name resolver that is not capable of resolving a host name when the requesting computer system is connected to the network due to advances in or proprietary name resolution techniques, a method for resolving a host name using a replacement resolver so as to extend the functionality of the computer system, extending the useful life of the computer system by allowing the computer system to be used on networks that it was not originally intended to be used with, the method comprising the following:

an act of assigning the requesting computer system as a name server for the requesting computer system, wherein the requesting computer system is a single physical device docked to a resolving computer system;

an act of at a native host name resolver of the requesting computer system requesting resolution of a host name by sending host name data in a first protocol to the name server assigned for the requesting computer system, the host name data being compatible for resolution of the host name by a DNS server, the first protocol being a native protocol of the requesting computer system that is incompatible for resolving host name data over a communications link connecting the requesting computer system to the network;

a step for resolving host name data that originated at the requesting computer system so as to locate a network address for a host system represented by the host name data by using a second protocol that is compatible for resolving host name data over a communications link connecting the requesting computer system to the network through the resolving computer system; and

an act of receiving a resolved address at the native host name resolver of the requesting computer system corresponding to the host name data.

25. (Cancelled).

26. (Currently Amended) A computer program product for use in a requesting computer system that is network connectable to a network, the requesting computer system including a native host name resolver that is not capable of resolving a host name when the requesting computer system is connected to the network due to advances in or proprietary name resolution techniques, the computer program product for implementing a method for resolving a host name using a replacement resolver so as to extend the functionality of the computer system, extending the useful life of the computer system by allowing the computer system to be used on networks that it was not originally intended to be used with, the computer program product comprising the following:

one or more computer-readable media carrying computer-executable instructions, that when executed at the requesting computer system, wherein the requesting computer system is a single physical device docked to a resolving computer system, cause the requesting computer system to perform the method, including:

assigning the requesting computer system as a name server for the requesting computer system;

at a native host name resolver of the requesting computer system requesting resolution of a host name by sending host name data in a first protocol to the name server assigned for the requesting computer system, the host name data being compatible for resolution of the host name by a DNS server, the first protocol being a native protocol of the requesting computer system that is incompatible for resolving host name data over a communications link connecting the requesting computer system to the network;

monitoring a name resolution port of the requesting computer system for receiving the host name data in the first protocol from the requesting computer system;

rerouting the host name data in the first protocol to a replacement host name resolver in the requesting computer system;

sending the host name data from the replacement host name resolver in the requesting computer system using a second protocol to a module at the resolving

computer system for resolving the host name data, wherein the second protocol is compatible for resolving host name data over a communications link connecting the requesting computer system to the network; and

receiving a resolved address at the native host name resolver of the requesting computer system corresponding to the host name data.

27. (Original) The computer program product as recited claim 26, wherein the one or more computer-readable media include physical storage media.

28. (Original) The computer program product as recited claim 26, wherein the one or more computer-readable media include system memory.

29. (Cancelled)

30. (New) The method as recited in claim 1, wherein the requesting computer system docked to the resolving computer system through a serial connection, wherein the serial connection does not support UDP, but does support TCP/IP.

31. (New) The method as recited in claim 1, wherein the resolving computer system forwards the host name data from the replacement host name resolver in the requesting computer system to a name server, and wherein receiving a resolved address at the native host name resolver of the requesting computer system corresponding to the host name data comprises receiving the resolved address directly from the name server bypassing the resolving computer system.